Idaho Content Standards
Mathematics Concepts And Vocabulary Grade 7

*This word list is not to be taught to students. The list is only reflective of concepts that students may encounter in classroom or state assessments.

*The words in this list are intended to match the language of instruction to the language of assessment.

Students are expected to know and apply VOCABULARY from previous grades.

Words in italics indicate that these words may be new for this grade level.

Standard 1: Number and Operation

add	expanded form
addend	*exponent*
base	*exponential form*
billion	*expanded notation*
budget	factor
calculator	fifth
cent	fourth
change (money)	*formula*
collection	fraction
combination	*Greatest Common Factor (GCF)*
compare	half
composite	half dollar
computation	hundred
computer	hundred thousand
conjecture	hundredth
consecutive	improper fraction
conversion	*increase*
decimal	integer
decrease	*Least Common Multiple (LCM)*
degree	magnitude
denominator	million
difference	mixed number
digit	multiple
dime	multiply
divide	negative number
dividend	nickel
divisor	number line
dollar	numeral
double	numerator
equivalent	numerical expression
estimate	odd number
estimation	operation
evaluate	order
even number	order of operations

overestimate
parenthesis
penny
percent
place value
positive number
predict
prime
prime factorization
product
proper fraction
quarter
quotient
rational number
regroup (borrow, carry)
remainder
rounding
sales tax
set
sequence

simplify
sixteenth
solve
square
square unit
squared
standard form
subtract
sum
ten thousand
tenth
third
thousand
thousandth
total
triple
twice
underestimate
Venn diagram
whole number

Standard 2: Concepts and Principles of Measurement

area
calendar
capacity
Celsius
centimeter
century
change
circle
circumference
compass (circle)
convert
conversion
cup
customary
decade
degree
diagram
diameter
digital
dimensional analysis
elapsed time
estimation
Fahrenheit
foot

formula
gallon
gram
half hour
height
hour
hour hand
inch
kilogram
kilometer
length
liter
measurement
meter
metric
mile
milliliter
millimeter
minute
minute hand
ounce
parallelogram
per
perimeter

pi (π)
pint
polygon
pound
proportion
protractor
quadrilateral
quart
quarter
quarter hour
radius
rate
ratio
ratio (map)
rectangle

ruler
scale (map)
square
temperature
thermometer
time
ton
triangle
unit
unit rate
volume
weight
width
yard

Standard 3: Concepts and Language of Algebra and Functions

algebra
algebraic equation
algebraic expression
associative property
change
commutative property
data
distributive property
equal
equal sign
equal to
equation
expression
factor
function
graph
greater than
identity property
improper fraction
input
inverse property
length
less than
linear function
manipulative
mathematical model
mathematical relationship

measure
more than
not equal
notation
numeric expression
number sentence
order or operations
pattern
pictorial representation
proper fraction
properties
quantity
relationship
rule
sequence
simplify
solution
solve
substitution
substitution property
symbol
table
unknown number
value
variable
zero property

Standard 4: Concepts and Principles of Geometry

acute angle	perpendicular
angle	*plane*
area	plane figure
attribute	point
capacity	polygon
circle	polyhedra
circle graph (pie chart)	prism
cone	pyramid
congruent	*quadrant*
coordinate plane	quadrilateral
coordinate points	ray
coordinates	rectangle
cube	reflection
cylinder	rhombus
equilateral triangle	right angle
face	right triangle
figure	rotation
geometry	shape
geometric	side
hexagon	similar
horizontal	spatial relationship
intersecting	sphere
line	square
line of symmetry	straight angle
line segment	*surface area*
line symmetry	symmetrical
number line	symmetry
obtuse angle	three dimensional
octagon	translation
ordered pair	trapezoid
origin	triangle
parallel	two dimensional
parallelogram	vertex
pentagon	vertical
perimeter	*volume*

Standard 5: Data Analysis, Probability, and Statistics

average	column
axes labels	data
axes scales	display
bar graph	*distribution of data*
broken line graph	*equally likely outcome*
certain	experiment
chart	fraction notation
circle graph	frequency
clusters	frequency table

gaps
graph
histogram
impossible
label
line graph
line plot
median
mean
mode
order
outcome
pictograph

pie graph
prediction
probability
range
row
scatter plot
simulation
stem-and-leaf plot
table
tally mark
theoretical probability
title